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WORK EXPERIENCE

MOBILE APP SOFTWARE ENGINEER INTERN (ALTUMVIEW SYSTEMS INC) **MAY 2019 – AUG 2019**

- Collaborated in a team of 6 on an Android and iOS app for a BLE-enabled hardware product using Xamarin Forms
- Implemented Android bottom navigation using a custom renderer in C#, making app design consistent between platforms
- Reduced server calls with appropriate caching, leading to improved app performance
- Abstracted the caching algorithm into a class to be reused for similar app pages, increasing app modularity and maintainability

MACHINE LEARNING ENGINEER INTERN (ALTUMVIEW SYSTEMS INC) **JAN 2019 – APR 2019**

- As an individual project, designed and built a configurable AI Robot that uses deep learning to detect and chase people, animals, or objects – Video: Vimeo.com/363058196
- Drove decision making for the robot with a multithreaded program that uses sensor data, camera input, and TensorFlow Lite powered deep learning
- In a team of 2, created a variety of projects to introduce deep learning to beginners using Python
- Implemented the projects using object-oriented design to make them modular and extensible

PROJECT MANAGEMENT INTERN (ALTUMVIEW SYSTEMS INC) **MAY 2018 – SEP 2018**

- Defined features, created user stories and wrote two product requirement documents, resulting in a clear direction for the projects

PROJECTS

PERSONAL PROJECT (TUTORO – TUTOR MATCHING SERVICE) – TUTORO.APP **JAN 2020**

- Developed a peer tutor matching service for universities with a Postgres-Django-React-Redux stack
- Designed a relational database schema for logical and easy data access
- Implemented a REST API to register, login, verify email via token URL, authenticate session token, retrieve user information, and match tutors with students
- Connected the Django back-end with a React-Redux front-end to display query results meaningfully

DUBHACKS 2019 PROJECT (TIDBITS - MOOD TRACKER) – AZURE PRIZE FINALIST **OCT 2019**

- Tidbits is a mood tracker that harnesses Azure Cognitive Services.
- Developed a flask server with endpoints to deliver payloads between front and back-end
- Integrated Azure NLP sentiment analysis and entity extraction services into app with Python classes
- Created back-end Python utility classes to perform ETL and output meaningful sentiment-entity pairs as deliverables that give users insight into how their mood changes over time

ACCOMPLISHMENTS

FINALIST – CANADA-WIDE CODE TO WIN COMPETITION – TOP 75 IN CANADA **JAN 2020**

SKILLS/KNOWLEDGE

LANGUAGES AND TECHNOLOGIES: Python | C# | C++ | Keras | Django | React | Xamarin | Docker | Git

EDUCATION

B. SCIENCE – COMPUTING SCIENCE, SIMON FRASER UNIVERSITY, GRADUATING 2020

B. ARTS - PSYCHOLOGY, SIMON FRASER UNIVERSITY, FEBRUARY 2015